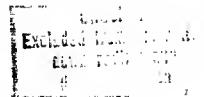


CIA/RR GS 63-29
6 December 1965USSR: Data on Winds at Selected Stations

STATION 52°31'N-85°15'E

| Direction of Wind | Percent of Winds Recorded | |
|-------------------|---------------------------|------|
| | January | July |
| North | 6 | 9 |
| Northeast | 14 | 11 |
| East | 29 | 20 |
| Southeast | 10 | 13 |
| South | 3 | 7 |
| Southwest | 14 | 14 |
| West | 19 | 13 |
| Northwest | 5 | 10 |

Winter winds are predominantly from the east, although westerly and southwesterly winds are also common. From November through March the average speed of the wind is 10mph (gentle breeze, see Beaufort Scale). East winds are generally weak (5mph and below), whereas westerlies and southwesterlies average 15 to 20mph. East winds also predominate in summer. Wind speeds are generally 12mph or less in July. The average wind speed between May and September is 15mph.



PERU $55^{\circ}00'N$ - $56^{\circ}25'E$

| <u>Direction of Wind</u> | <u>Percent of Winds Recorded</u> | |
|--------------------------|----------------------------------|-------------|
| | <u>January</u> | <u>July</u> |
| North | 4 | 14 |
| Northeast | 9 | 13 |
| East | 10 | 11 |
| Southeast | 14 | 9 |
| South | 16 | 19 |
| Southwest | 29 | 16 |
| West | 15 | 16 |
| Northwest | 3 | 9 |

During the winter the predominant winds are from the southwest. The velocity of the prevailing winds during the winter averages about 15mph. In spring the prevailing winds are southwesterly and the secondary winds are westerly. In summer, winds are primarily from the west or southwest, but in the morning and evening, northwesterly winds are common. Prevailing wind speeds in the summer are about 10mph. In fall, winds are predominantly from the west or southwest.

KAMTSK-SHAKHMETOVY $48^{\circ}21'N$ - $46^{\circ}19'E$

| <u>Direction of Wind</u> | <u>Percent of Winds Recorded</u> | |
|--------------------------|----------------------------------|-------------|
| | <u>January</u> | <u>July</u> |
| North | 5 | 7 |
| Northeast | 12 | 8 |
| East | 23 | 14 |
| Southeast | 15 | 11 |
| South | 6 | 8 |
| Southwest | 14 | 16 |
| West | 18 | 22 |
| Northwest | 9 | 14 |

Prevailing winds from September through May are from the east-southeast, whereas secondary winds are from the west. During this period, wind speeds average 11mph. From June through August, westerly winds predominate. Gales (winds with speeds in excess of 35mph) have been recorded in all months in this area, but they occur most frequently in the winter.

KRASNOYARSK 56°01'N-92°50'E

| <u>Direction of Wind</u> | <u>Percent of Winds Recorded</u> | |
|--------------------------|----------------------------------|-------------|
| | <u>January</u> | <u>July</u> |
| North | 1 | 2 |
| Northwest | 2 | 4 |
| East | 4 | 12 |
| Southeast | 2 | 7 |
| South | 4 | 7 |
| Southwest | 18 | 29 |
| West | 30 | 18 |
| Northeast | 9 | 11 |

Winds are predominantly from the southwest throughout the year. During the winter, wind speeds average 15 mph, but in the summer the winds are weaker, averaging 7 mph. Less than 1 percent of the winds at Krasnoyarsk ever reach gale force (greater than 35 mph).

SVERDLOVSK 55°37'N-55°55'E

| <u>Direction of Wind</u> | <u>Percent of Winds Recorded</u> | |
|--------------------------|----------------------------------|-------------|
| | <u>January</u> | <u>July</u> |
| North | 13 | 18 |
| Northwest | 7 | 9 |
| East | 6 | 4 |
| Southeast | 15 | 11 |
| South | 22 | 10 |
| Southwest | 16 | 11 |
| West | 12 | 12 |
| Northeast | 8 | 19 |

Prevailing winds are from the south-southwest in all seasons except winter. During the summer, winds from the north and northwest predominate. (Data on wind speeds is not readily available.)

Beaufort Scale

| <u>miles per hour</u> | | |
|-----------------------|-------------|-----------------|
| 0 | less than 1 | Calm |
| 1 | 1 to 3 | Light air |
| 2 | 4 to 7 | Light breeze |
| 3 | 8 to 12 | Gentle breeze |
| 4 | 13 to 18 | Moderate breeze |
| 5 | 19 to 24 | Fresh breeze |
| 6 | 25 to 31 | Strong breeze |
| 7 | 32 to 38 | Moderate gale |
| 8 | 39 to 46 | Fresh gale |
| 9 | 47 to 54 | Strong gale |
| 10 | 55 to 63 | Whole gale |
| 11 | 64 to 75 | Storm |
| 12 | above 75 | Hurricane |